Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Previously Presented) A medical device, comprising:

an inflatable balloon including a body portion, a first sleeve portion, a second sleeve portion, a first tapered portion located between the first sleeve portion and the body portion, and a second tapered portion located between the second sleeve portion and the body portion, the inflatable balloon having a first material and a discrete strip of a second material, the discrete strip of the second material being encapsulated by the first material when the balloon is inflated, the discrete strip of the second material extending along at least a portion of the first tapered portion, at least a portion of the second tapered portion, and at least a portion of the body portion of the balloon, the second material having a lower distensibility and a higher stiffness than the first material; and

a cutting element carried by the balloon centered over the discrete strip of the second material.

- 2. (Original) The device of claim 1, wherein the materials have different distensibility.
- 3. (Original) The device of claim 1, wherein the materials have different distensibility along the longitudinal direction of the balloon.
- 4. (Previously Presented) The device of claim 1, wherein the discrete strip of the second material extends along the longitudinal direction of the balloon.
- 5. (Cancelled)
- 6. (Original) The device of claim 1, wherein the balloon is formed with a portion having a distensibility less than about 1 mm along the length of the balloon over a predetermined pressure range.

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7. (Original) The device of claim 1, wherein the balloon is formed with a portion having

a distensibility less than about 0.8 mm along the length of the balloon over a predetermined

pressure range.

8. (Original) The device of claim 1, wherein the balloon is formed with a portion having

a distensibility less than about 0.5 mm along the length of the balloon over a predetermined

pressure range.

9. (Original) The device of claim 1, wherein the balloon is formed with a portion having

a distensibility less than about 0.3 mm along the length of the balloon over a predetermined

pressure range.

10. (Original) The device of claim 1, wherein the balloon is co-extruded.

11. (Original) The device of claim 1, wherein the balloon is formed with a portion having

a distensibility less than about 10% along the length of the balloon over a predetermined

pressure range.

12. (Original) The device of claim 1, wherein the balloon is formed with a portion having

a distensibility less than about 7% along the length of the balloon over a predetermined

pressure range.

13. (Original) The device of claim 1, wherein the balloon is formed with a portion having

a distensibility less than about 5% along the length of the balloon over a predetermined

pressure range.

14. (Previously Presented) A medical device, comprising:

a catheter;

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an inflatable balloon carried by the catheter, the balloon including a body portion, a first sleeve portion, a second sleeve portion, a first tapered portion located between the first sleeve portion and the body portion, and a second tapered portion located between the second sleeve portion and the body portion, the balloon formed having a first material and a discrete striped portion encapsulated by the first material when the balloon is inflated, the discrete striped portion extending along at least a portion of the first tapered portion, at least a portion of the second tapered portion, and at least a portion of the body portion of the balloon, the discrete striped portion having a lower distensibility and a higher stiffness than the first material of the balloon; and

a cutting element carried by the balloon centered over the discrete striped portion.

- 15. (Previously Presented) The device of claim 14, wherein the balloon is formed having a plurality of striped portions.
- 16. (Previously Presented) The device of claim 15, wherein the number of striped portions is greater than the number of cutting elements carried by the balloon.
- 17. (Previously Presented) The device of claim 15, wherein the striped portions are equally spaced around the circumference of the balloon.
- 18. (Previously Presented) The device of claim 14, wherein the striped portion extends parallel to the longitudinal axis of the balloon.
- 19. (Withdrawn) The medical device of claim 14, wherein the striped portion extends helically about the longitudinal axis of the balloon.
- 20. (Original) The device of claim 14, wherein the balloon is formed by co-extrusion.
- 21. (Original) The device of claim 14, wherein the balloon is a multi-layered balloon.

- 22. (Original) The device of claim 14, wherein the striped portion extends continuously along the length of the balloon.
- 23. (Original) The device of claim 14, wherein the striped portion has a distensibility less than about 1 mm along the length of the balloon over a predetermined pressure range.
- 24. (Original) The device of claim 14, wherein the striped portion has a distensibility less than about 0.8 mm along the length of the balloon over a predetermined pressure range.
- 25. (Original) The device of claim 14, wherein the striped portion has a distensibility less than about 0.5 mm along the length of the balloon over a predetermined pressure range.
- 26. (Original) The device of claim 14, wherein the striped portion has a distensibility less than about 0.3 mm along the length of the balloon over a predetermined pressure range.
- 27. (Original) The device of claim 14, wherein the striped portion has a distensibility less than about 10% along the length of the balloon over a predetermined pressure range.
- 28. (Original) The device of claim 14, wherein the striped portion has a distensibility less than about 7% along the length of the balloon over a predetermined pressure range.
- 29. (Original) The device of claim 14, wherein the striped portion has a distensibility less than about 5% along the length of the balloon over a predetermined pressure range.
- 30. (Original) The device of claim 14, wherein the striped portion comprises a liquid crystal polymer.
- 31. (Original) The device of claim 14, wherein the striped portion comprises a colorant.

- 32. (Original) The device of claim 14, wherein the balloon comprises an inorganic additive.
- 33. (Original) The device of claim 14, wherein the striped portion extends over a portion of the length of the balloon.
- 34. (Original) The device of claim 14, wherein the striped portion extends over substantially the entire length of the balloon.

35-42. (Cancelled)

43. (Previously Presented) A medical device, formed by a method comprising:

forming a tube having a discrete striped portion encapsulated by a first material, the discrete striped portion having a lower distensibility and a higher stiffness than the first material of the tube;

forming an inflatable balloon from the tube, the balloon including a body portion, a first sleeve portion, a second sleeve portion, a first tapered portion located between the first sleeve portion and the body portion, and a second tapered portion located between the second sleeve portion and the body portion, the discrete striped portion being encapsulated by the first material when the balloon is inflated, and the discrete striped portion extending along at least a portion of the first tapered portion, at least a portion of the second tapered portion, and at least a portion of the body portion of the balloon; and

attaching a cutting element to the balloon centered over the discrete striped portion.

44-72. (Cancelled)

73. (Previously Presented) The device of claim 1, wherein the cutting element is spaced from the discrete strip of the medical material.

- 74. (Previously Presented) The device of claim 14, wherein the cutting element is spaced from the striped portion.
- 75. (Previously Presented) The device of claim 43, wherein the attached cutting element is spaced from the striped portion.
- 76. (Previously Presented) The medical device of claim 1, wherein the second material comprises a polymer.
- 77. (Previously Presented) The device of claim 14, wherein the striped portion comprises a polymer.
- 78. (Previously Presented) The device of claim 43, wherein the striped portion comprises a polymer.

79-81. (Cancelled)

- 82. (Previously Presented) The device of claim 1, wherein the second material comprises a colorant.
- 83. (Previously Presented) The device of claim 14, wherein the striped portion comprises a colorant.
- 84. (Previously Presented) The device of claim 43, wherein the striped portion comprises a colorant.
- 85. (Previously Presented) The device of claim 1, wherein the first material comprises a compatibilizing material.
- 86. (Previously Presented) The device of claim 14, wherein the first material comprises a

compatabilizing material.

87. (Previously Presented) The device of claim 43, wherein the first material comprises a compatibilizing material.

88. (Previously Presented) The device of claim 1, further comprising a discrete strip of a

third material encapulsated by the first material when the balloon is inflated, the third material

being a different material when the balloon is inflated, the third material being a different

material than the first and second materials.

89. (Previously Presented) The device of claim 88, wherein no cutting element is centered

over the discrete strip of the third material.

90. (Previously Presented) The device of claim 14, further comprising a second discrete

striped portion encapsulated by the first material when the balloon is inflated, the second

discrete striped portion being formed of a different material than the first material and the

discrete striped portion.

91. (Previously Presented) The device of claim 90, wherein no cutting element is centered

over the second discrete striped portion.

92. (Previously Presented) The device of claim 43, further comprising a second

discrete striped portion encapsulated by the first material when the balloon is inflated, the

second discrete striped portion being formed of a different material than the first material and

the discrete striped portion.

93. (Previously Presented) The device of claim 92, wherein no cutting element is

centered over the second discrete striped portion.

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- 94. (Previously Presented) The device of claim 1, wherein the discrete strip of the second material extends from the first sleeve portion of the balloon to the second sleeve portion of the balloon.
- 95. (Previously Presented) The device of claim 14, wherein the discrete striped portion extends from the first sleeve portion of the balloon to the second sleeve portion of the balloon.
- 96. (Previously Presented) The device of claim 43, wherein the discrete striped portion extends from the first sleeve portion of the balloon to the second sleeve portion of the balloon.